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Measurements of the like-sign pion and kaon femtoscopic correlations at NICA energies

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The main goal of heavy-ion collision measurements at NICA energies ($\sqrt{s_{NN}}=4-11$ GeV) is to study the properties of the quark-gluon matter properties at high baryon densities. Femtoscopy allows to probe spatial and temporal characteristics of the particle-emission process at the last stage of the collision evolution - kinetic freeze-out.

We will present estimations of like-sign pion and kaon pair femtoscopic observables for NICA energies using the UrQMD model. The dependence of the femtoscopic radii on collision energy, centrality, and pair transverse momentum will be shown. The physics implication will be discussed.

Primary author(s): Mr. NIGMATKULOV, Grigory; MALININA, Ludmila (SINP MSU-JINR); Mr. MIKHAYLOV, Konstantin (ITEP, JINR); KHYZHNIAK, Evgenija (National Research Nuclear University MEPhI); Dr. KODOLOVA, Olga; BATYUK, Pavel (JINR)

Presenter(s): Mr. NIGMATKULOV, Grigory

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